



Application No: GB 0216312.9  
Claims searched: 1 to 12

Examiner: Rupert Knights  
Date of search: 31 January 2003

## Patents Act 1977 : Search Report under Section 17

### Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
X	1,3,5,6 & 7	EP 1199441 A2 (GENERAL) See Figs. 1-6, note cylindrical ring 38 including annular forward section 38a joined to annular aft section 38b by fuse ligaments 46, see also paragraphs 24, 30 and 37, in columns 4, 5 and 6 respectively.
A		US 6079200 A (ROLLS) See Figs. 2 & 3, note support ring 25 connected to core engine fixed structure 26 via fuse pins 27.
A		US 4375906 A (ROLLS) See Figs. 1-3, note coupling 21 and shear pins 21C.

### Categories:

X Document indicating lack of novelty or inventive step	A Document indicating technological background and/or state of the art.
Y Document indicating lack of inventive step if combined with one or more other documents of same category.	P Document published on or after the declared priority date but before the filing date of this invention.
& Member of the same patent family	E Patent document published on or after, but with priority date earlier than, the filing date of this application.

### Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC<sup>v</sup>:

F1C; F1G; F2A

Worldwide search of patent documents classified in the following areas of the IPC<sup>7</sup>:

F01D; F02C; F04D; F16C

The following online and other databases have been used in the preparation of this search report:

Online: EPODOC, PAJ, WPI



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Application No: GB 0313659.5  
Claims searched: 1-16

Examiner: Dr. Simon Coldrick  
Date of search: 1 December 2003

## Patents Act 1977 : Search Report under Section 17

### Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
X	1-5,7,9-11 at least	GB 0928250 A (Rolls-Royce)(fig. 1 noting first 16 and second 22 rings, bars 20, flange 25 with recesses 26 and bearing 14)
X, P	1,2,5,9,10 at least	EP 1314858 A2 (MTU)(fig. 2 noting rings 26a, 26b, bolts 32 with stress raising feature and bearing 12)
X	1-5,9-11 at least	EP 1199441 A2 (Gen. Electric)(figs. 1 to 3 noting first 40 and second 42 rings, ligaments 46, bearing 28c and fan support 32)
X, P	1,2,5,9-11 at least	US 6428269 B1 (United)(figs. 1 and 2 noting first 34 and second 36 rings, bolts 32 with reduced portion 44, bearing 20 and fixing to fan support at 28)

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&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

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